

Database Viewing Instructions

The database for the 3.9 GHz, 3rd Harmonic system is a document that is constantly being updated as the project develops. This collection of 2-D and 3-D data allows all project collaborating members to keep current with the project's progress. The design and engineering team will maintain this document and continuously update the data as it becomes available. Users of this database will see that there are three sections: Layout Drawings, the Copper Cavity Model, and the Niobium/Titanium System. All of these sections are being created with the I-DEAS v.8m4 solid modeling and drafting CAD package. Although the CAD data is maintained within the I-DEAS TDM database, the released drawings will also be filed in Technical Division's XDCS electronic vault. For your convenience, the 3-D and 2-D data will be written out as 2-D CGM files, and/or 3-D VRML files.

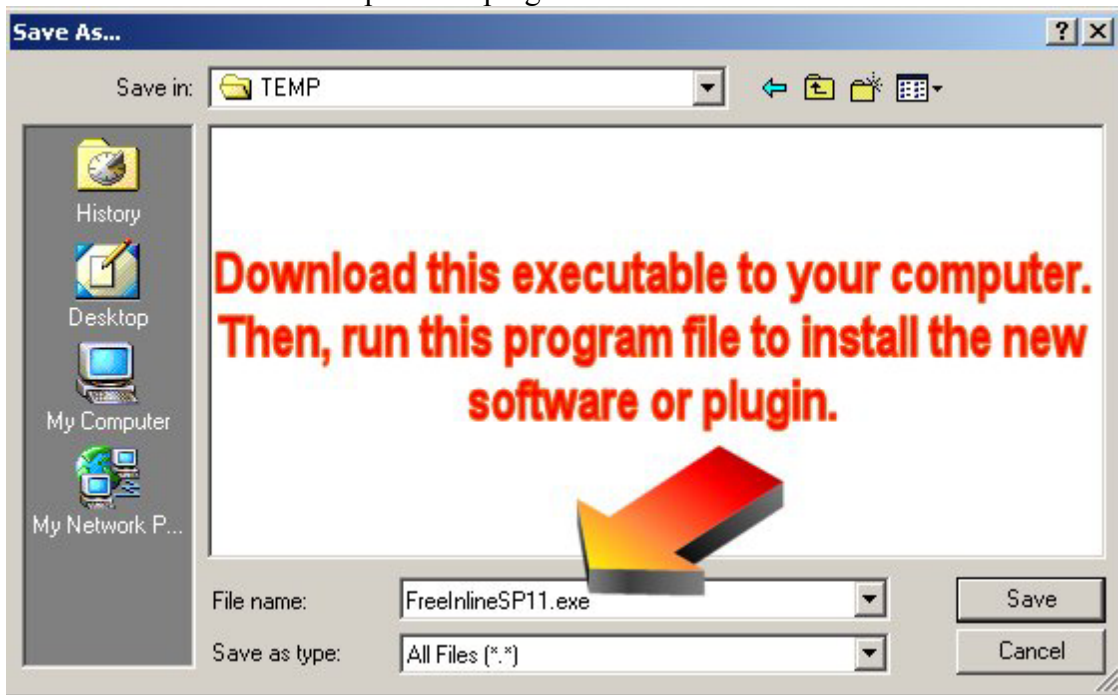
To view these documents, your computer may need some additional software. We have setup the 2-D data to be viewed as a CGM file and the 3-D data to be viewed as a VRML file. CGM files allow zooming in and out and panning without losing clarity, something that you can't do with JPEG's, GIF's, TIFF's, etc. Unfortunately, there is no common CGM viewer installed on most computers. This is why we have provided two CGM viewer plug-ins for you to download and install onto your computer. The VRML viewer, *Deep Exploration*, allows you to rotate, pan, and zoom in on a 3-D, tessellated representation of the solid model. Once you have completed this installation process, you will not have to do it again. The CGM plug-ins are for Netscape and Internet Explorer. We recommend that you install both plug-ins if you are a Netscape user since most computers running a Microsoft OS system will force Internet Explorer to open when viewing hyperlinks within Microsoft Excel. If you are a MS Internet Explorer user, then only install the CGM plug-in for Internet Explorer. Although this database does not use AutoCad drawings at this time, we have provided an AutoCad viewer, *VoloView*, so that future work provided by other collaborating members can be inserted into our database and still be viewed by all other members.

NOTE: Try to view the 2-D and 3-D data before installing these programs. Your system may already be configured to view CGM and/or VRML files! Just click on a hyperlink and if the system tells you that the file type that you are trying to open is unknown, then you will need to install the following programs.

STEP 1: Download the CGM plug-in by clicking on the provided hyperlink.

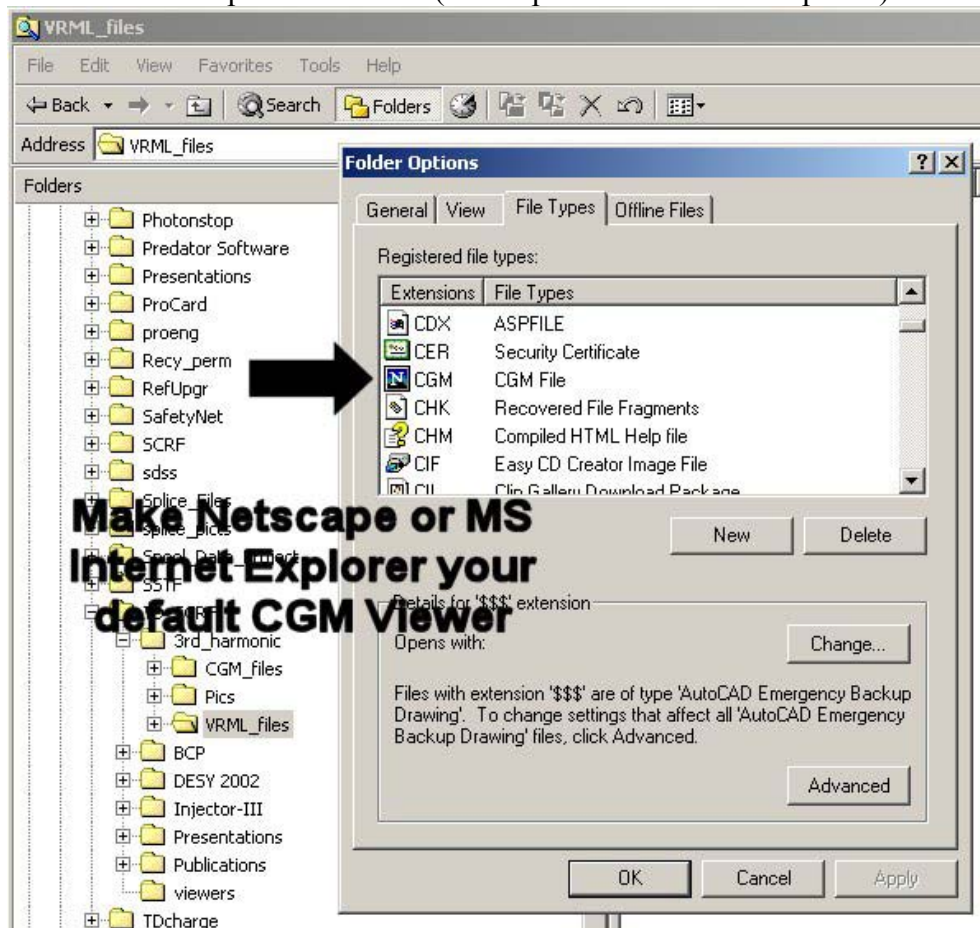
[illegible]

The Netscape CGM plug-in executable is shown here.

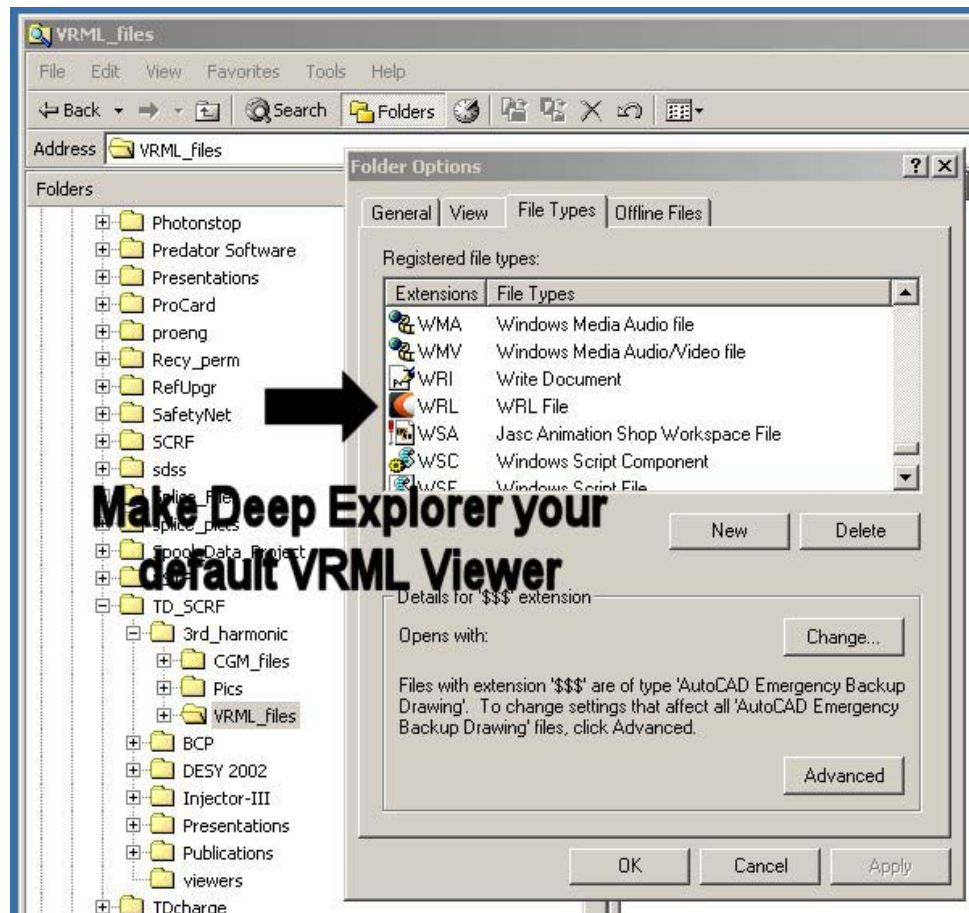


STEP 2: Run this executable file on your computer to install the CGM plug-in.

STEP 3: You will need to tell your computer to use Netscape or Internet Explorer when trying to view a CGM file. You can accomplish this in several ways. One way is to open *Windows Explorer* and pull down *Tools, Folder Options, File Types*. From *File Types*, edit or add CGM as a file type and indicate which application you want to use to open CGM files. (Netscape or MS Internet Explorer).



STEP 4: Repeat steps 1, 2 and 3 for the VRML viewer, *Deep Exploration*. *Deep Exploration* is a program, NOT a plug-in for your Internet viewer. Therefore, you need to configure the WRL file type to be opened by *deepexploration.exe*. Deep Exploration has a free 30 day trial period but according to their web site, partial functionality of this program is removed after the 30 day trial. However, you can continue to use this program as a VRML viewer only (which is exactly what we need).



STEP 5: Repeat these steps for *VoloView* if you need an AutoCad viewer.

STEP 6: Test the CGM and VRML hyperlinks now to make sure that your system works with this database. When asked if you want to *open* or *save as*, just pick *open*. Your computer should now automatically launch the proper software to view this data. If you are still having trouble, call for help.

Best of Luck and thank you for taking the time to setup your system! If we all work from the same data source, our progress and coordination will be greatly enhanced.

Many thanks!

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